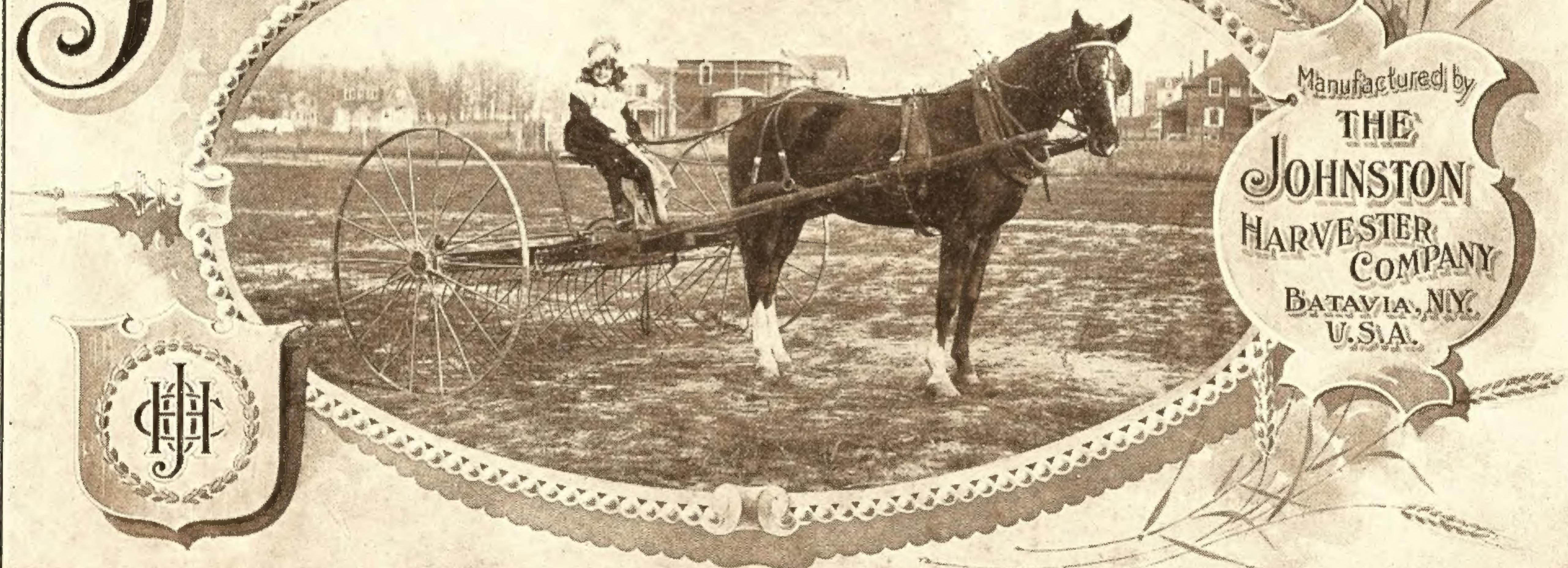


# JOHNSTON RAKES AND TEDDERS



Manufactured by  
THE  
JOHNSTON  
HARVESTER  
COMPANY  
BATAVIA, N.Y.  
U.S.A.



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**JOHNSTON  
RAKES AND TEDDERS.**

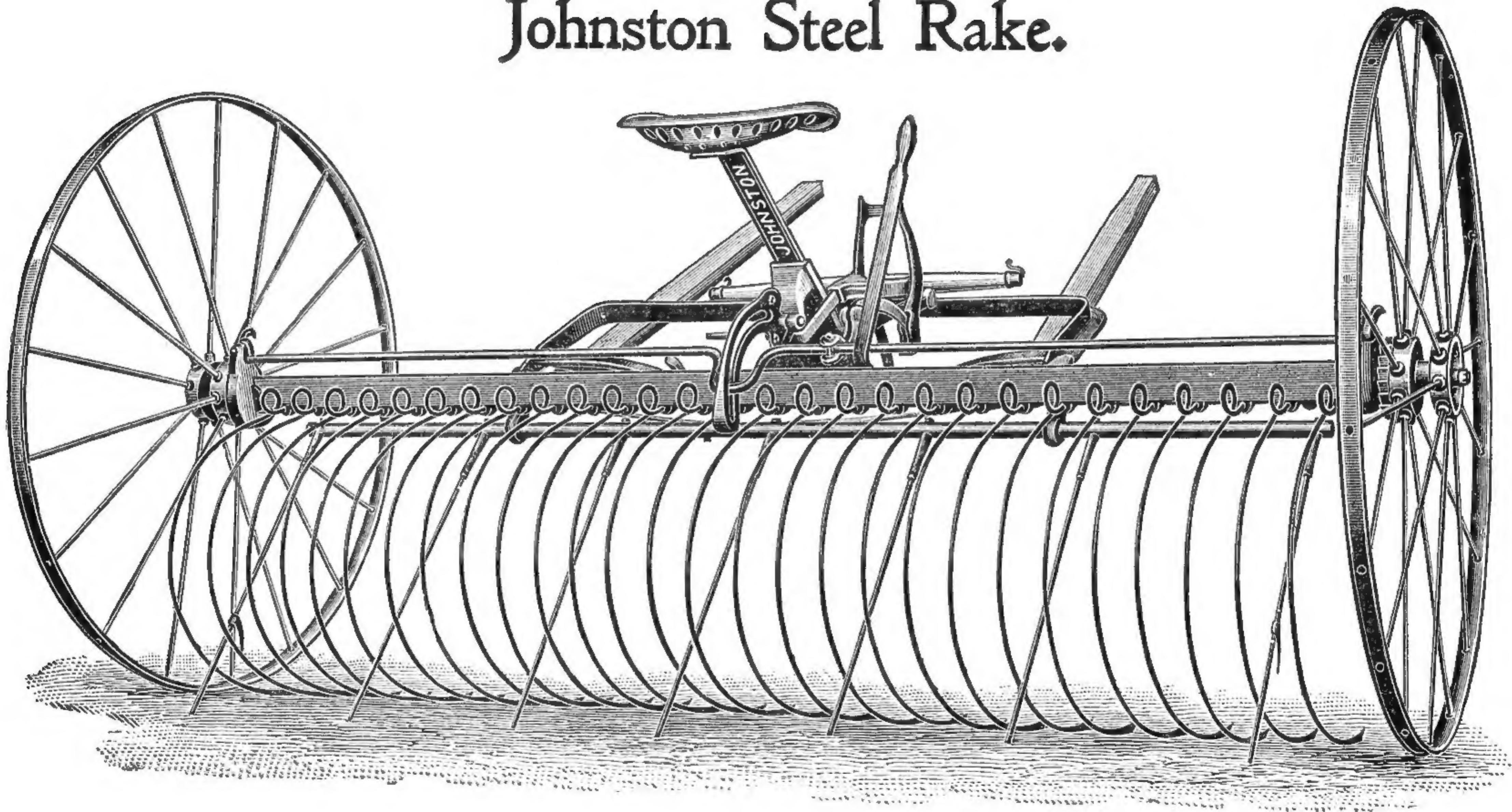
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**THE JOHNSTON HARVESTER CO.,  
BATAVIA, N. Y., U. S. A.**

*.. Manufacturers of ..*

**Binders, Headers, Reapers, Mowers, Rakes, Tedders, Corn Binders,  
Disk Harrows, Disk Cultivators, Spring Tooth Harrows.**

# Johnston Steel Rake.



# Johnston Steel Rakes.

STEEL CONSTRUCTION. Steel quality, lightness, compactness, durability. Light draft, well balanced, work well on rough ground, SAVE ALL THE HAY.

STEEL WHEELS with double hub and staggered spokes.

ANGLE STEEL RAKE HEAD and main frame, both steel trussed and securely hinged.

SPECIAL STEEL TEETH. Long, flat-pointed, interchangeable.

STEEL CLEANERS THAT CLEAN.

One-piece steel dump rod that DUMPS—FROM BOTH WHEELS AT ONCE.

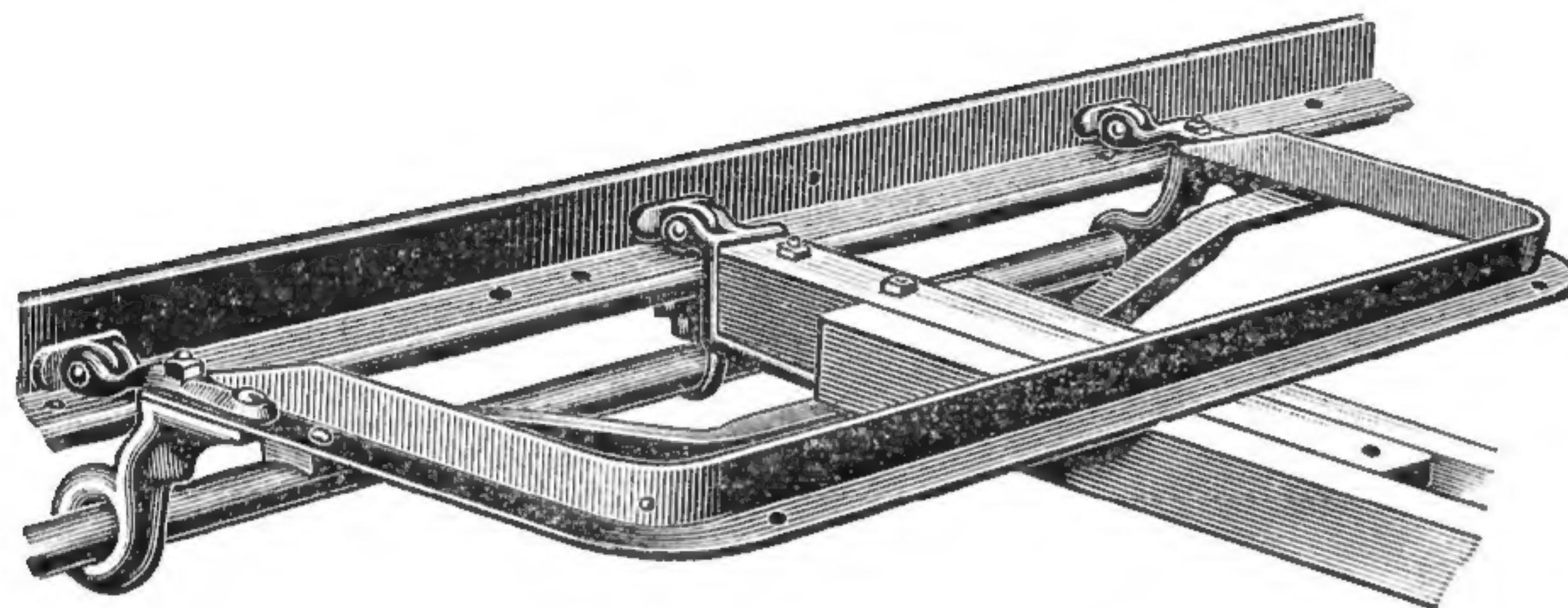
Steel Seat and Seat Spring.

RIGHT HAND LEVERS.

COMBINATION POLE AND SHAFTS.

Variety of Sizes.

# Johnston Steel Rake.



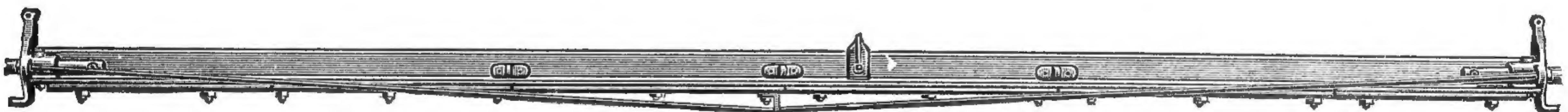
steel, trussed and securely fastened to the head by strong hinged connections, that work freely.

The Rake Head being well balanced, THE WEIGHT OF THE DRIVER ASSISTS in working the rake.

The foundation of a rake is in its head, frame and wheels.

THE JOHNSTON Rake Head is a special steel angle,  $3 \times 3 \times \frac{5}{16}$ , steel trussed to prevent sagging and twisting.

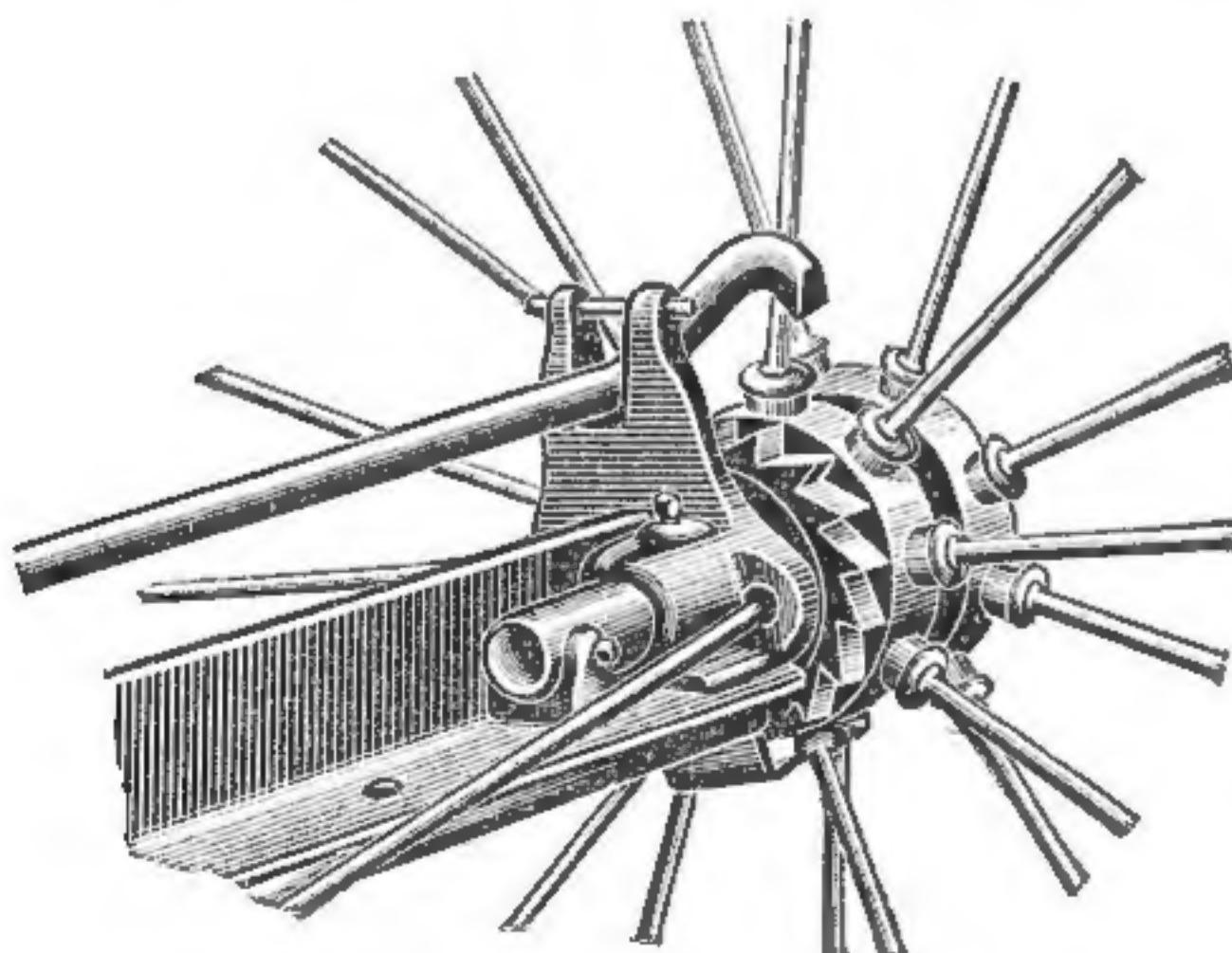
THE MAIN FRAME, also is angle



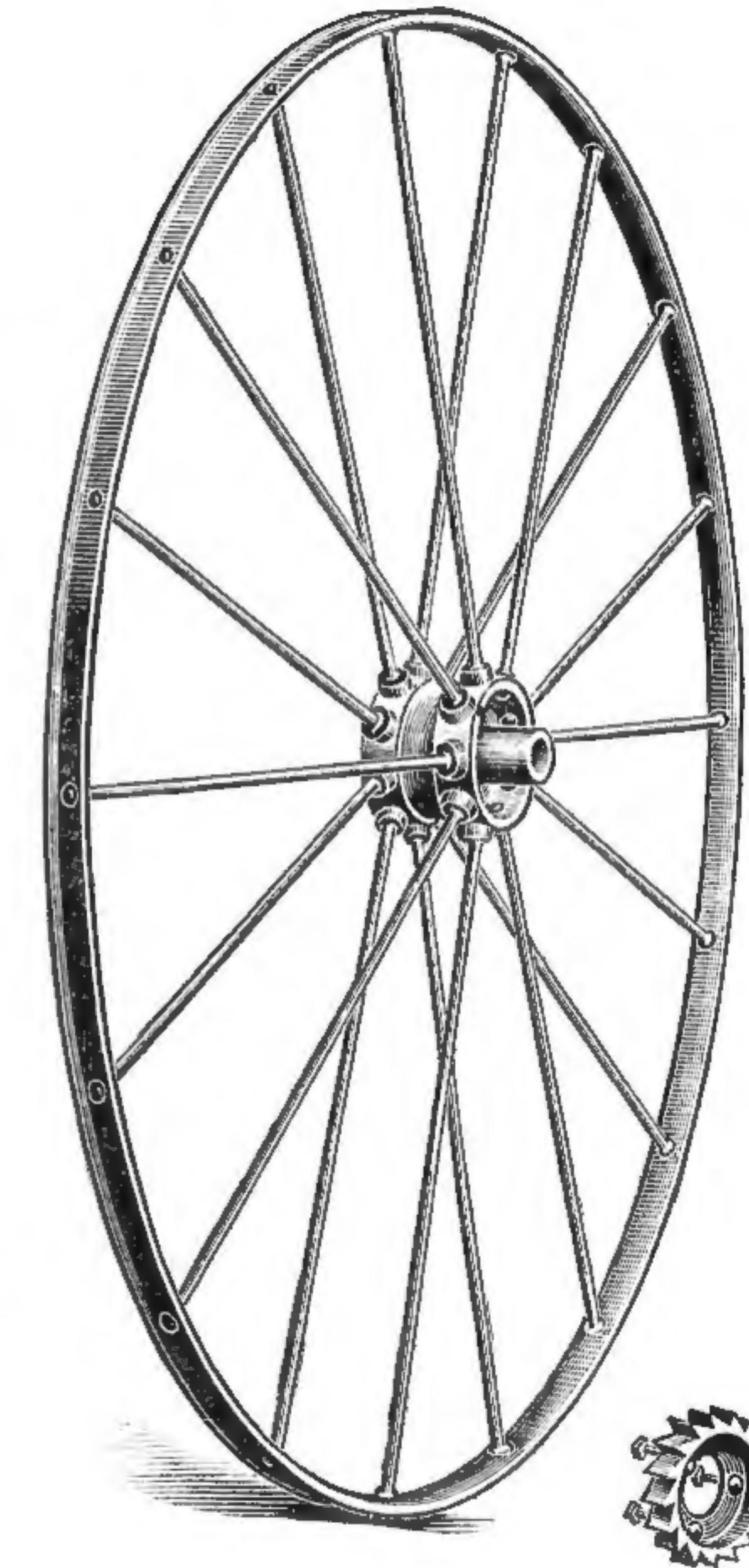
# Johnston Steel Rake.

THE STEEL WHEELS have double cast hubs, round staggered spokes and channel steel tires with the concave side out, giving increased traction. The wheels are interchangeable without the ratchets. The latter are BOLTED to the wheels and are easily replaced when broken or worn.

THE JOHNSTON dumps with a one-piece dump rod, from both wheels at the same time, making the rake draw evenly.



THE WHEEL AXLES are securely fastened to the head in such manner that the latter is always in balance.



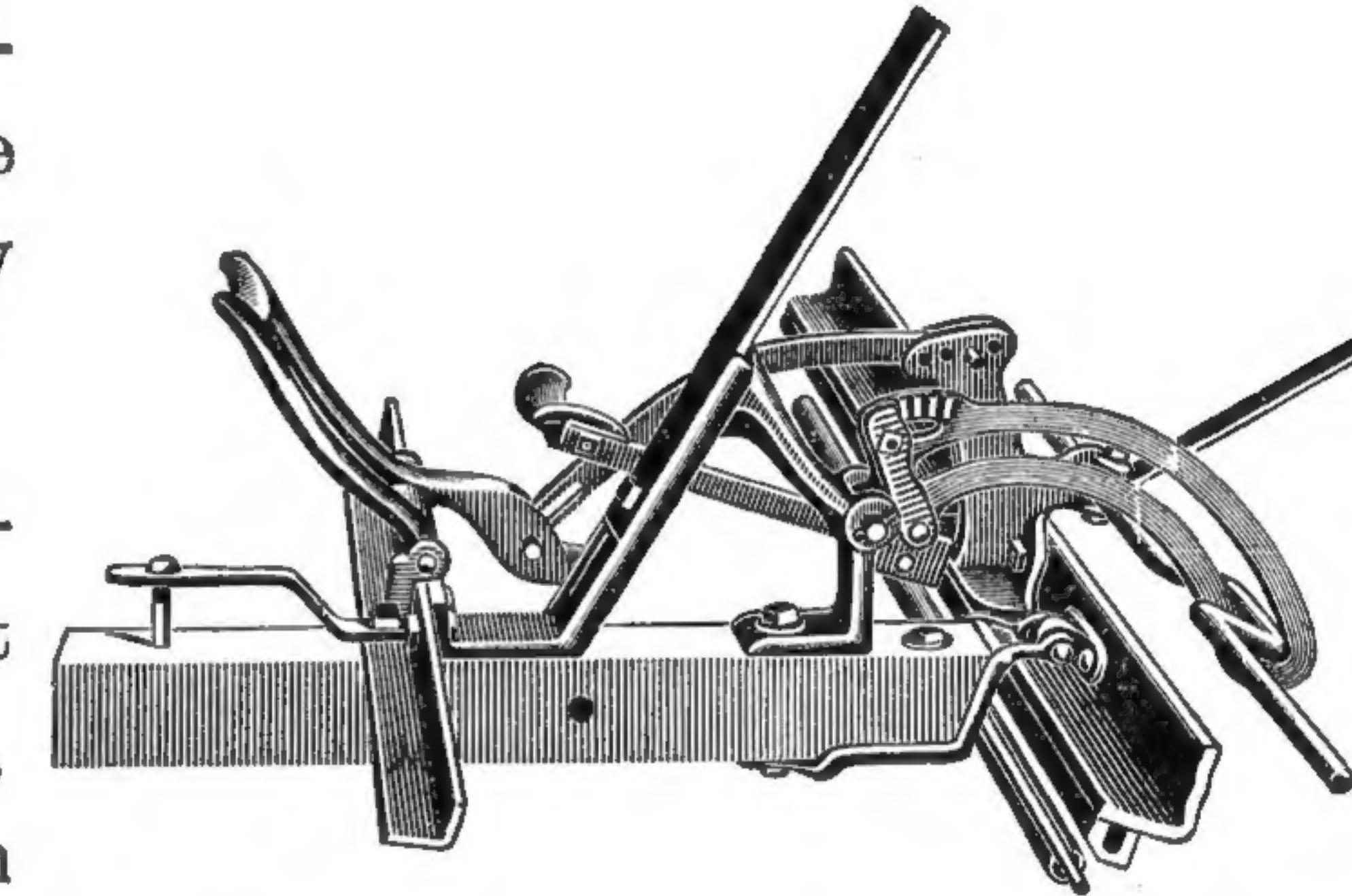
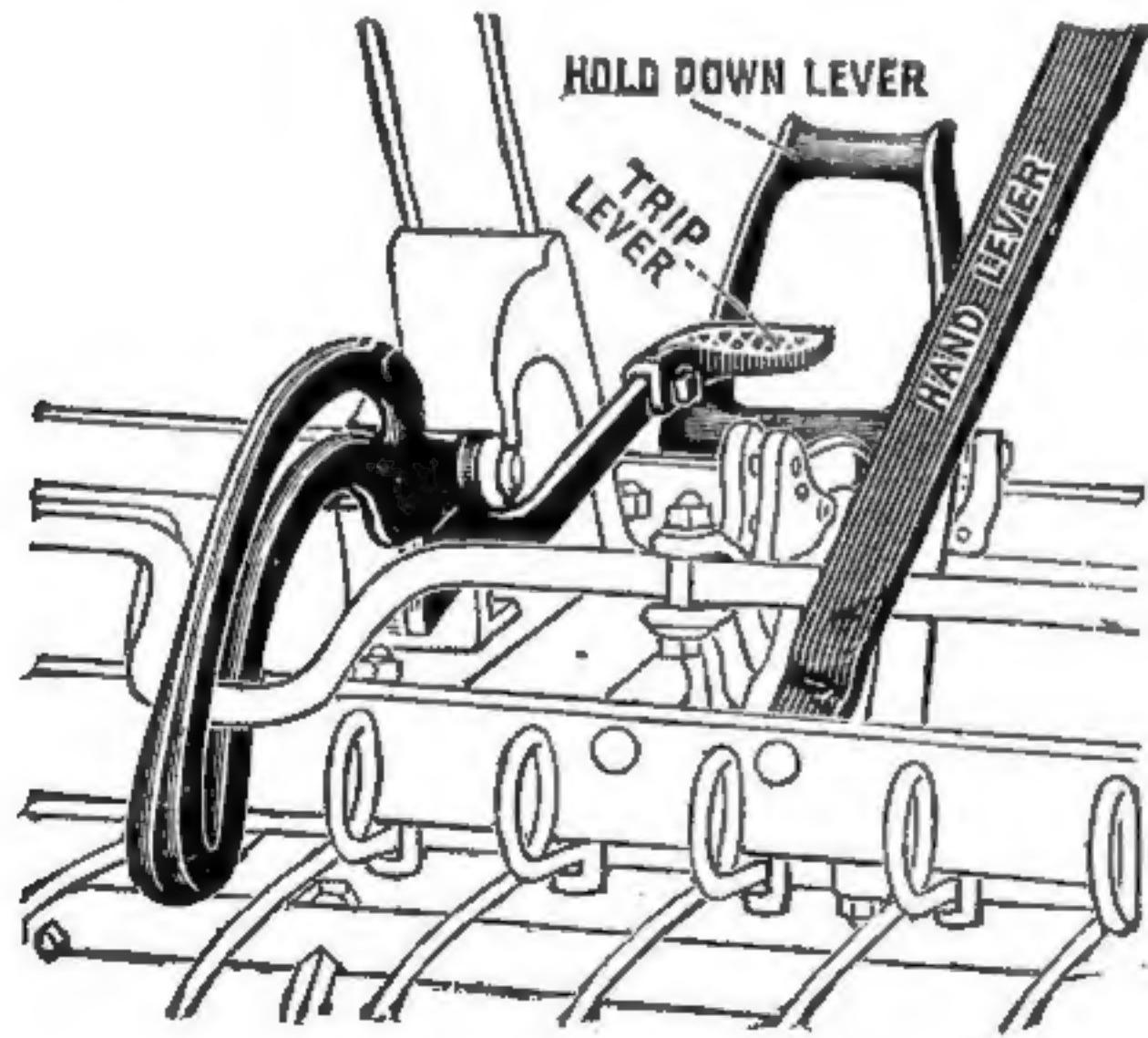
# Johnston Steel Rakes.

THE LEVERS give perfect control. The hold-down, foot trip and hand levers are all on the right hand side, a convenience that is thoroughly appreciated.

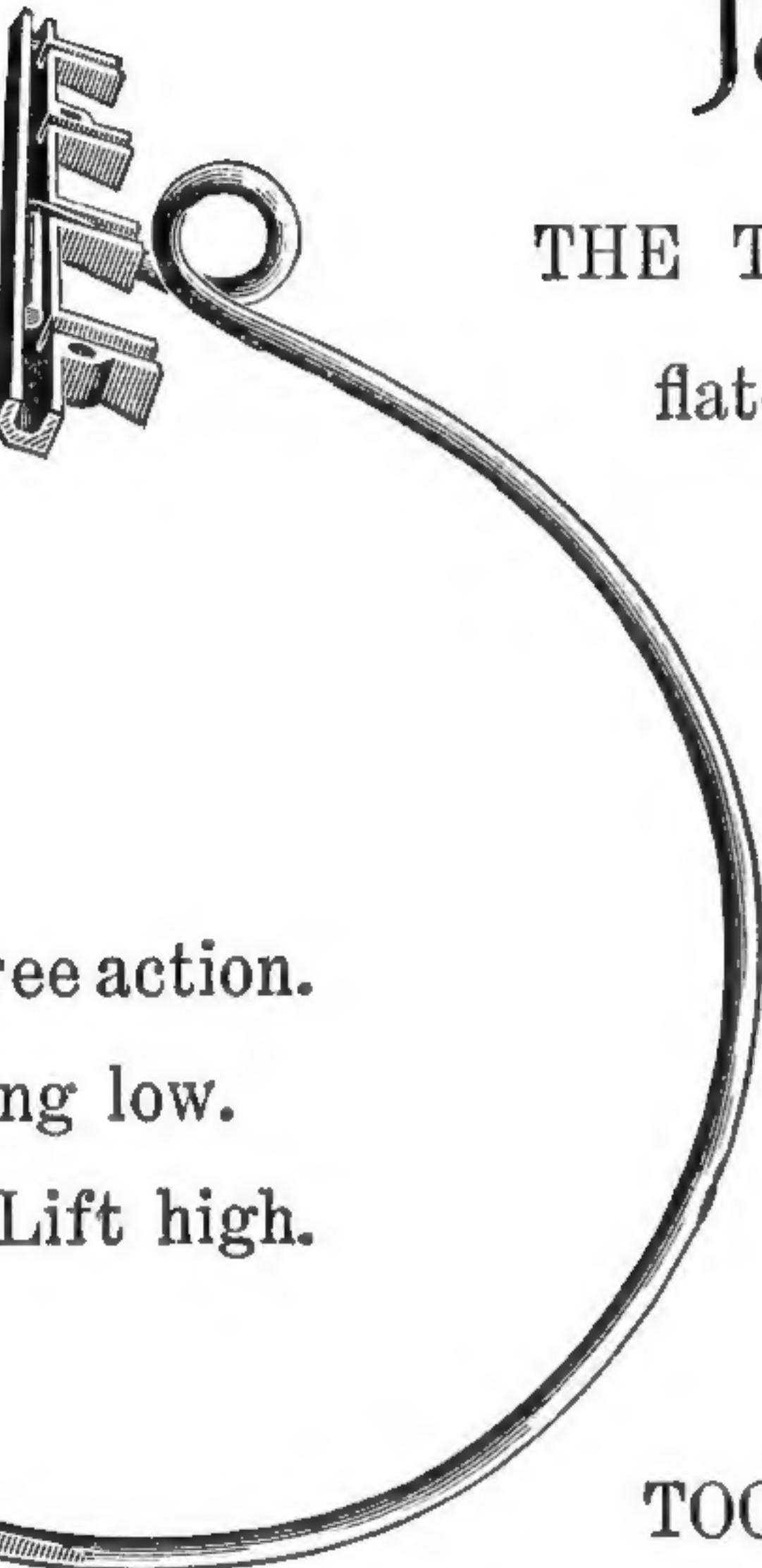
When fast walking horses are used, the adjustment of THE RATCHET PLATE at its farthest

point on the trip link, keeps the rake from tripping too quickly. It also increases the capacity and allows making larger windrows.

At the short adjustment, the rake trips quickly. This is an advantage with a slow-walking horse or when going down hill.



# Johnston Steel Rake.



Have free action.

Hang low.

Lift high.

THE TEETH. Long,  
flat-pointed, inter-  
changeable.

Never  
sag.

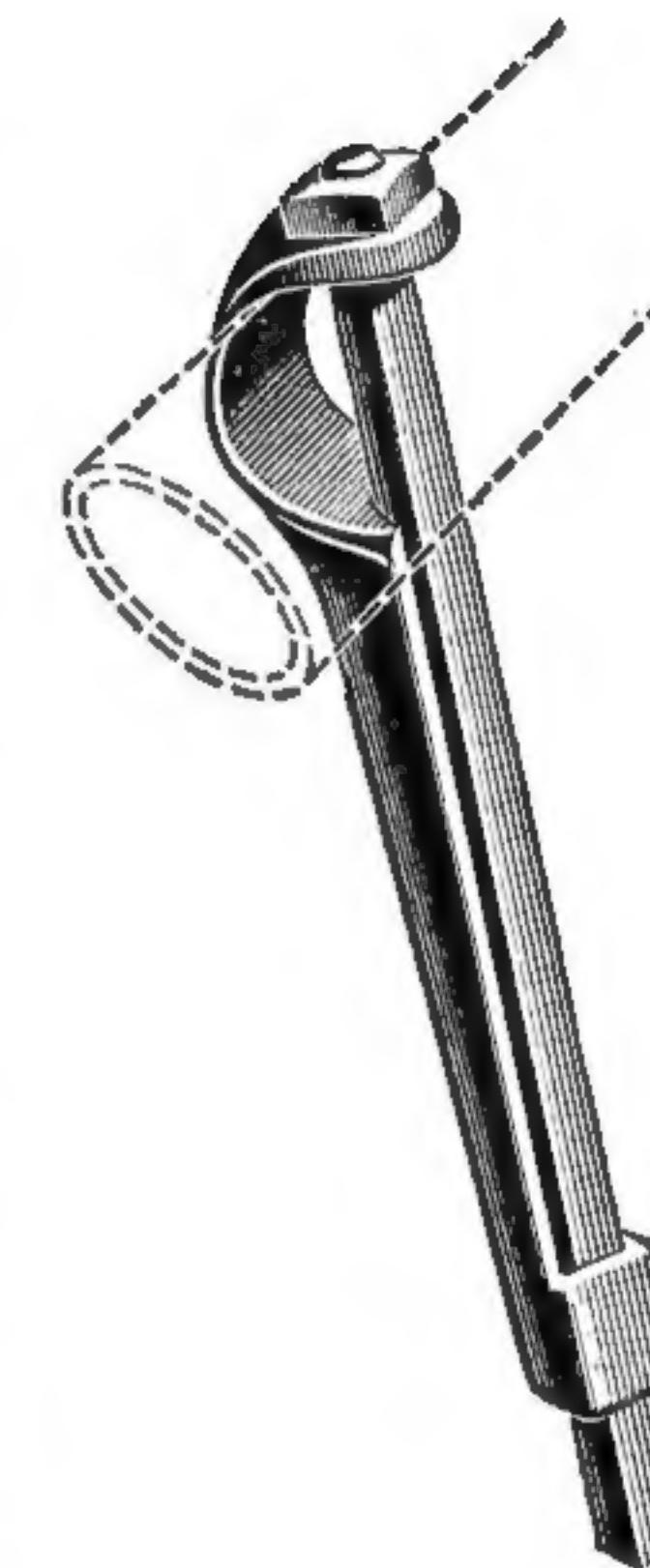
Clean the  
ground  
without  
scratching.

TOOTH HOLDERS  
replaced cheaply.

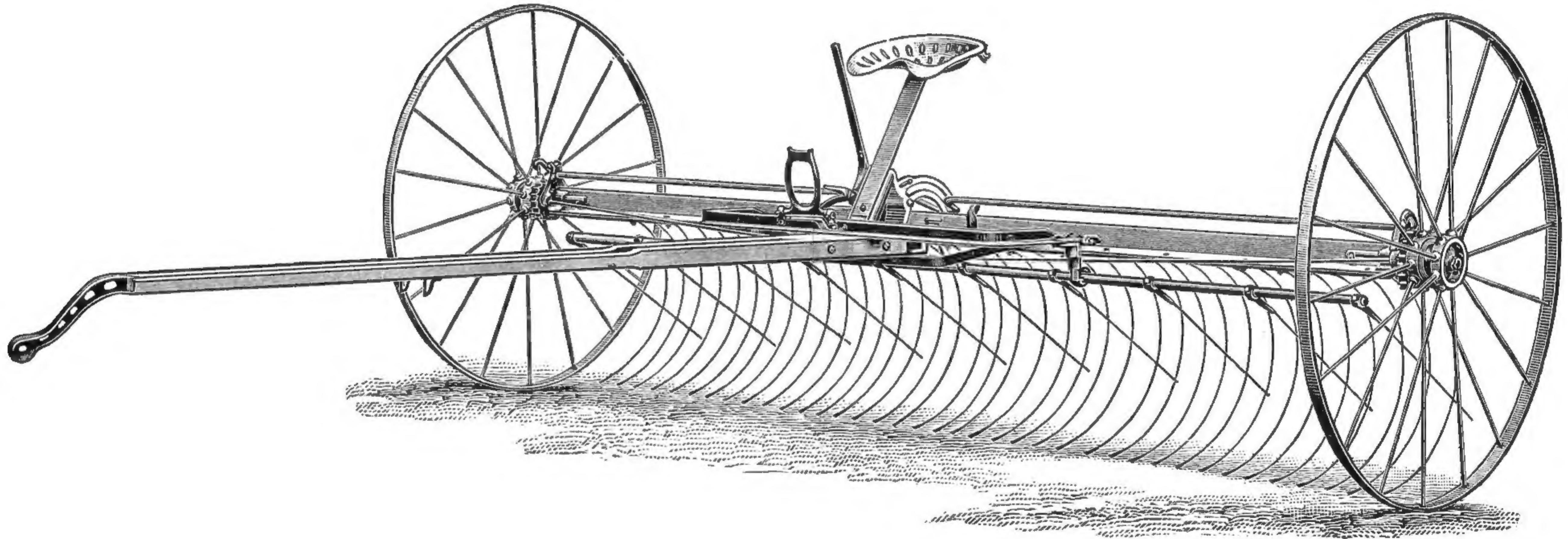
THE CLEANER RODS  
are solid steel, threaded one  
end and fastened to steel  
pipe support by a nut—not  
riveted. Reinforced by mal-  
leable stiffeners.

The natural weight of  
the cleaners packs the hay  
as the teeth fill up ; this  
keeps the hay from rolling.

Pressure on the cleaner foot lever makes  
larger windrows and bunches them when  
desired.



# The Johnston Rake.—12-Foot, 38-Tooth.



Showing Combination Pole (the change is easily made for one or two horses).

# Johnston Steel Rakes.

TEETH LIFT HIGH when working, and are securely fastened to the seat when on the road.

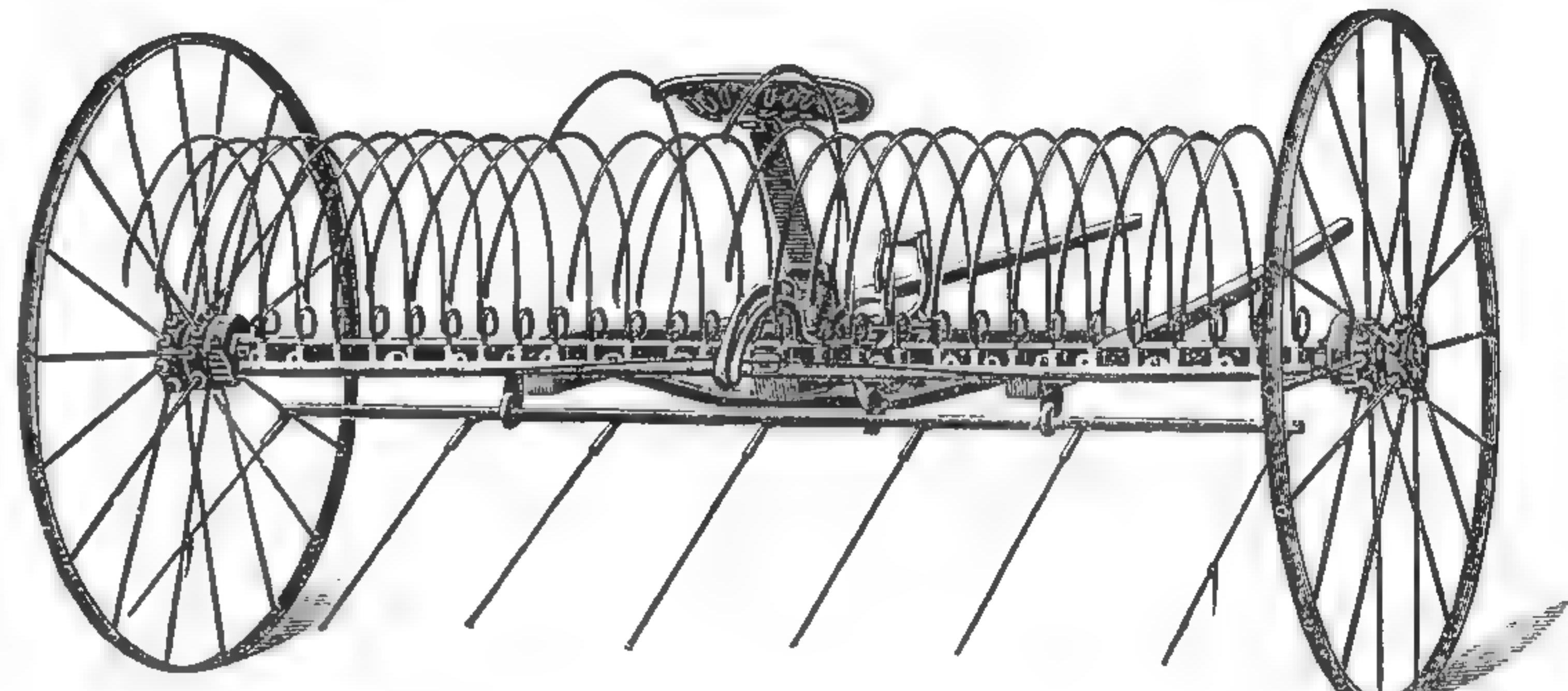
Clean work.

Even draft.

Rightly constructed.

Easy to operate.

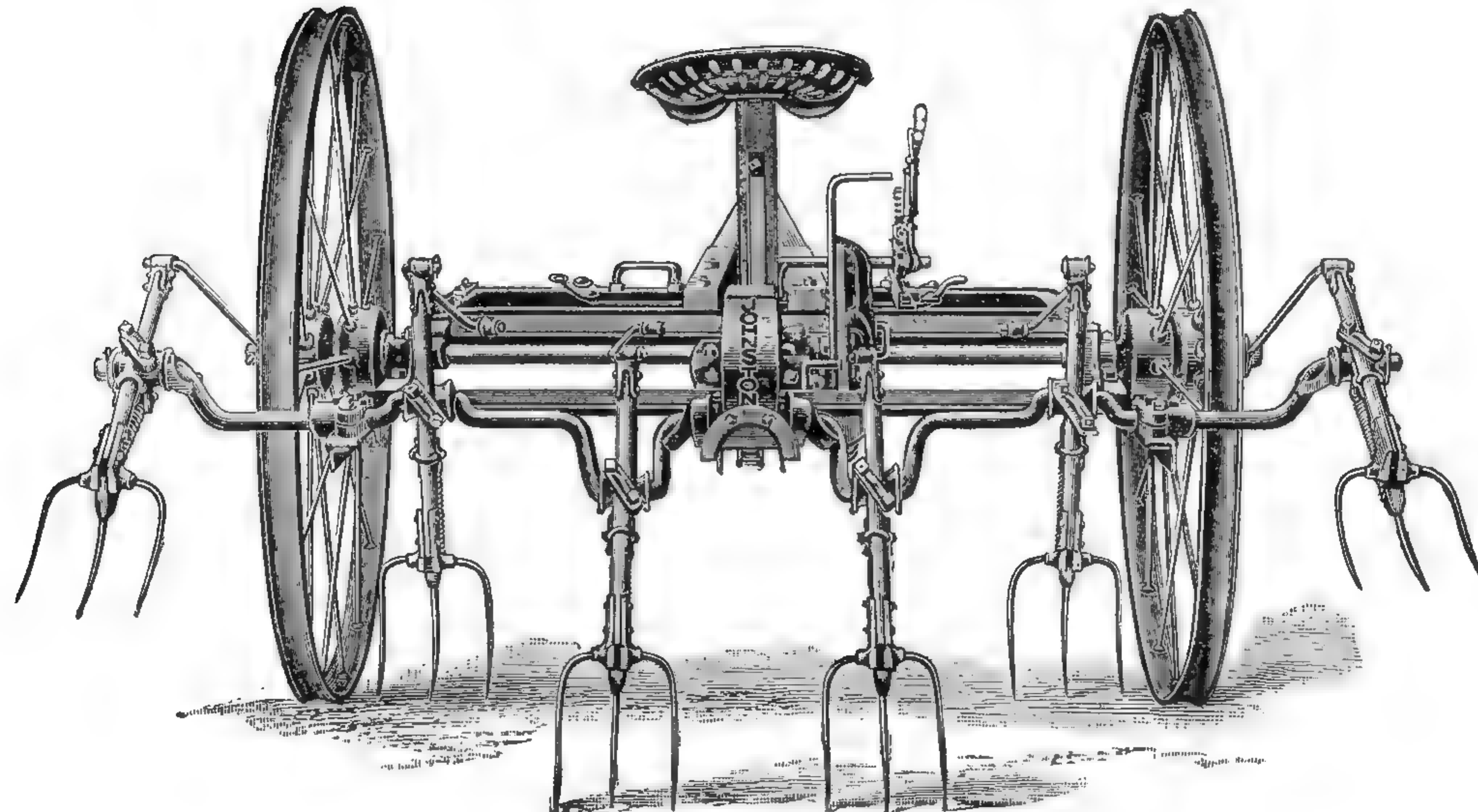
You ride in comfort.



## SIZES.

8 feet, with 24 teeth.	9 feet, with 22 or 28 teeth.
10 $\frac{1}{2}$ feet, with 32 teeth.	12 feet, with 38 teeth.

# Johnston Steel Hay Tedder.



# Johnston Hay Tedders.

EVERY WELL REGULATED FARM should have a hay tedder, to assist in properly and economically curing the heavy crops.

THE JOHNSTON will do this with the least expenditure of power and hand labor and the greatest comfort for the operator.

Both front and rear main frames are made of angle steel. They are compact and light, but will stand any necessary strain.

THE WHEELS are steel, with double cast hubs, staggered spokes, channel steel tires, (convex side out, giving increased power).

POWER is applied from both wheels at once to the drive chain in the center.

ROLLER BEARINGS provided for the main axle.

FORKS are special steel, three-tine and spring trip.

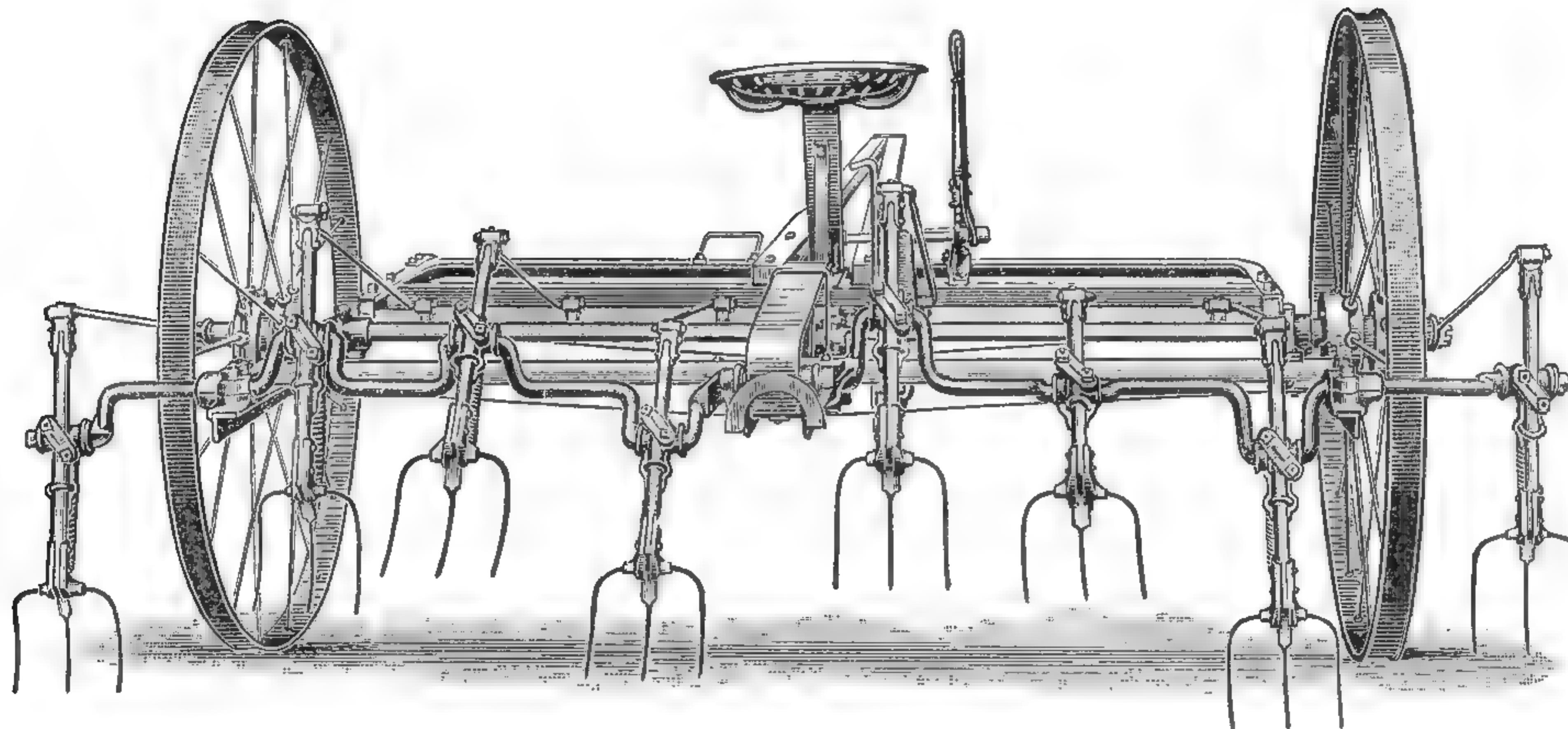
OUTSIDE FORKS stir the hay that the wheels pass over.

Combination pole and shafts furnished with each tedder.

Sizes: 6 and 8 Fork.

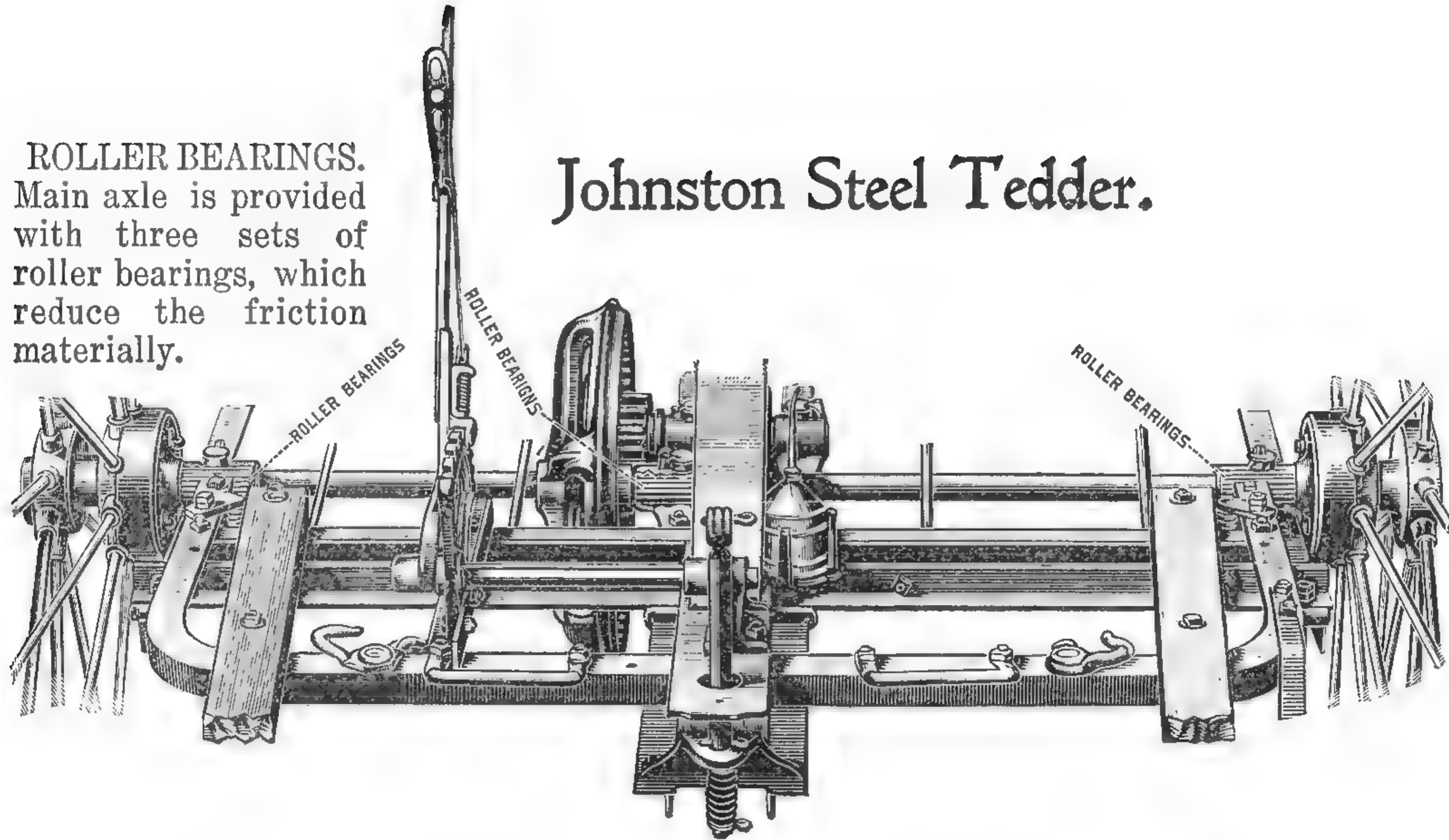
# Johnston Hay Tedder.

8 FORK.

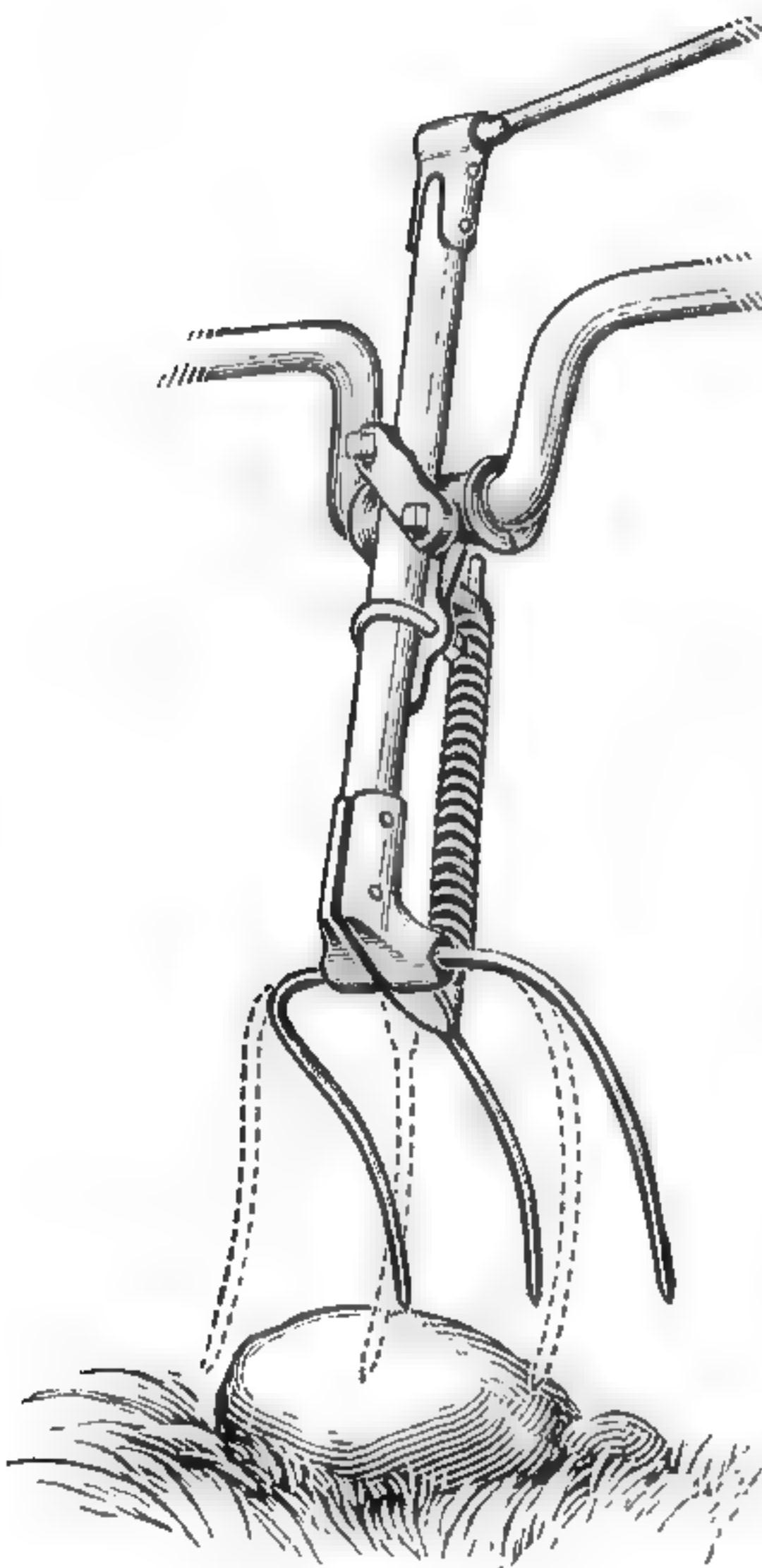


Center Chain Drive. Roller Bearings. Spring Trip Three-Tine Forks.

**ROLLER BEARINGS.**  
Main axle is provided  
with three sets of  
roller bearings, which  
reduce the friction  
materially.



# Johnston Steel Tedders.



RELIEF SPRING in front carries the weight when tilting.

THE FORKS have three tines in one piece of crucible spring-temper steel, and are provided with the simplest kind of a spring trip. Has no extra toggling, never gets out of order, and trips the fork properly every time.

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JARVISVILLE, W. VA., September 21, 1903.

*The Johnston Harvester Co., Pittsburg, Pa.*

Gentlemen:—The *Johnston Hay Tedder* purchased from your agent, C. M. Bailey, of Jane Lew, has given me perfect satisfaction. It does the work as nice as one could wish, and I am delighted with it in every way, as it is so easily adjusted and does its work with great rapidity. I have never purchased any machine that I think more of than the *Tedder*.

My little boy did all the tedding with perfect ease, and delight. The quality of my hay this year was better than ever before, and I give the *Tedder* all the praise. It puts the hay in proper shape for curing cut.

Anyone wishing a *Tedder* will make no mistake in selecting the Johnston.

Truly yours,

HIRAM POST.

CLARKSBURG, W. VA., May 20, 1903.

*The Johnston Harvester Co., Pittsburg, Pa.*

Gentlemen.—In 1900 I purchased of C. F. Bailey, one *Johnston Hay Rake*, and find is satisfactory in all that is guaranteed of it. I have also used the Johnston mower No. 6 for 15 years, and find it satisfactory. I also find the company live up to their guarantee in all respects.

Yours truly,  
N. S. BATES.

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REIDSBURG, PA., Sept. 29, 1903.

*The Johnston Harvester Co., Pittsburg, Pa.*

Dear Sirs:—The 8-Fork Tedder I bought of your Agents, Ditz & Mooney Hardware Co., of Clarion, Pa., gave me perfect satisfaction, and I feel that I saved the price of the Tedder this year in the way I got the hay up.

I consider the Johnston Tedder the best on the market. Every bolt has two nuts on, which keeps them tight. Anyone that raises hay, cannot afford to be without a Johnston Tedder.

Yours respectfully,  
WM. IRVIN.

LIMESTONE, PA., Aug. 1, 1903.

*The Johnston Harvester Co., Pittsburg, Pa.*

Gentlemen:—I bought a Johnston Tedder from one of your agents this season, and thereby saved some hay which would have been a very hard job without the *Tedder*, as I had cut the grass and was delayed three or four days in getting it up on account of rain. When I did go to take it up, it was pounded down into the stubble and the clover had grown up, almost hiding the hay, but I went into it with the *Tedder* and shook it up nicely. This would have been almost impossible with a fork. The *Tedder*, however, got the hay in pretty good condition. It's the way to make hay.

Yours truly,  
J. W. McCLURE.

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LUMBERPORT, W. VA., May 20, 1902.

*The Johnston Harvester Co., Pittsburg, Penna.*

Dear Sirs:—In 1901 I purchased of C. F. Bailey, one *Johnston Hay Tedder*. I find it does its work perfectly. Would not do without it for twice its cost.

Yours truly,  
E. L. COFFMAN.

CURLLSVILLE, PA., August 18, 1903.

*The Johnston Harvester Co., Batavia, N. Y.*

Gentlemen:—Having used a Johnston *Hay Tedder* for two seasons, it is with much pleasure that I state the fact that the *Tedder* is one of the most useful implements that I have ever used in the harvest field.

Yours truly,  
J. M. McCURDY.

P. S. The above is from Rev. Dr. J. M. McCurdy, who is not only a good Presbyterian preacher, but a very practical farmer.

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SARDIS, W. VA., May 20, 1902.

*The Johnston Harvester Co., Pittsburg, Penna.*

Gentlemen:—In 1901 I purchased of C. F. Bailey, one *Johnston Hay Tedder*, and will say am well pleased for it does its work perfectly in every respect. Would not do without it for any consideration.

Yours truly,  
JOHN J. ASHCRAFT.

JANE LEW, W. VA., Sept. 2, 1903.

*The Johnston Harvester Co., Pittsburg, Pa.*

Gentlemen:—This is to certify that I purchased from your Agent, C. M. Bailey, one *Johnston Rake* this season and will say for it that it does its work perfectly, and is easily operated. It certainly is built for service, and anyone wanting a Rake, would make no mistake in buying the Johnston.

Yours respectfully,  
W. L. HUGHS.

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DOLA, W. VA., May 20, 1902.

*The Johnston Harvester Co., Pittsburg, Penna.*

Gentlemen:—I have used a *Johnston Hay Tedder* through one harvest and will say it exceeded my expectations in quality or work done, and the manner in which it did it. Am more than pleased with it.

Yours truly,  
C. D. ROBINSON.

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THE JOHNSTON HARVESTER COMPANY  
FACTORY AND HOME OFFICE: BATAVIA, N. Y., U. S. A.